

WHAT IS CLAIMED IS:

1. A fire retarding polypropylene composition comprising:

- (a) a copolymer of polypropylene resin in which ethylene/propylene rubber has been grafted onto the polypropylene chains; and
- (b) at least about 50% but not greater than 60% by weight of a magnesium hydroxide coated with an anionic surface active agent, the magnesium hydroxide having:
  - (i) a strain in the  $\langle 101 \rangle$  direction of not more than  $3.0 \times 10^{-3}$ ,
  - (ii) a crystallite size in the  $\langle 101 \rangle$  direction of more than 800 Å, and
  - (iii) a specific surface area, determined by the BET method, of less than 20  $\text{mg}^2/\text{g}$ ,

wherein the composition being adapted to meet FMRC standards for use in a clean room.

- 2. The composition of claim 1 wherein said copolymer contains between about 80% and about 85% polypropylene and between about 15% and about 20% ethylene/propylene rubber.
- 3. The composition of claim 1 wherein the melt flow index of said copolymer is less than about 1 gram per 10 minute interval.
- 4. The composition of claim 1 wherein said copolymer is halogen-free.